



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

2/29/12

Tejal Mehta  
Assistant District Attorney  
Middlesex County

Dear ADA Mehta:

Enclosed is the analytical information you requested in regards to laboratory certificate number [REDACTED]. Included are copies of the following:

- 1) Laboratory Drug Receipt
- 2) Laboratory Control Card with chemists' hand notations
- 3) Analysis Reporting Form with chemist's hand notations
- 4) Gas Chromatograph/Mass Spectrometer (GC/MS) analytical data

The preliminary tests on this sample were performed by Daniel Renczkowski and the GC/MS analysis of this item was performed by Annie Dookhan.

If you have any questions about this material, please call the laboratory at 617-983-6622.

Sincerely,

A handwritten signature in black ink that reads "Daniel Renczkowski".

Daniel Renczkowski  
Chemist II  
DPH Forensic Drug Analysis Laboratory

cc: ASD

No. [REDACTED]  
City: Lowell Police Dept.  
Officer: Detective BRYAN MCMAHON  
Def: [REDACTED]

Date Analyzed: 03-18-10

Amount:

Subst: SUB

No. Cont: 43 Cont: pb

Date Rec'd: 08/19/2009

No. Analyzed: 5

Gross Wt.: 12.23 ✓

Net Weight: 5.78g

# Tests: 21 DJR

10480

Prelim: Heroin

Findings: Heroin

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

*The Commonwealth of Massachusetts*

*Executive Office of Health and Human Services*

*Department of Public Health*

*State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**

City or Department: LOWELL Police Reference No.: [REDACTED]

Name and Rank of Submitting Officer: DET. BRYAN W. McMAHON

Defendant(s) Name (last, first, initial):

[REDACTED]

*To be completed by Submitter*

Description of Items Submitted

*To be completed by Lab Personnel*

Gross Weight

Lab Number

PINK PLASTIC PACKETS w/POWDER - HEROIN - 43

12.23 g

[REDACTED]

Received by: [Signature] Date: 8-19-09

# DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Lowell

ANALYST

DJR

No. of samples tested:

5

Evidence Wt.

OK

## PHYSICAL DESCRIPTION:

Brown powdery substance  
in 43 red ziplock PB's  
within a clear ziplock PB  
with "Apple Bags" logo.

Gross Wt (43):

9.9206g

Gross Wt ( ):

Pkg. Wt:

Net Wt:

5.7878g

## PRELIMINARY TESTS

### Spot Tests

5 Cobalt Thiocyanate ( ) +  
5 Marquis +  
5 Froehde's +  
5 Mecke's +

### Microcrystalline Tests

Gold Chloride  
TLTA ( )

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS

Heroin

DATE

3-15-10

## GC/MS CONFIRMATORY TEST

RESULTS

Heroin

MS OPERATOR

ASD

DATE

3-18-10

Sample #:

# samples tested: 5

#	Gross Weight	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.2223	0.0969	0.1254	26			
2	0.2332	0.0991	0.1341	27			
3	0.2459	0.0971	0.1488	28			
4	0.2468	0.0978	0.1490	29			
5	0.2113	0.0955	0.1158	30			
6				31			
7		sum =	0.6731	32			
8		$\div 5 =$	0.1346	33			
9		$\times 43 =$	5.7878	34			
10				35			
11				36			
12				37			
13				38			
14				39			
15				40			
16				41			
17				42			
18				43			
19				44			
20				45			
21				46			
22				47			
23				48			
24				49			
25				50			

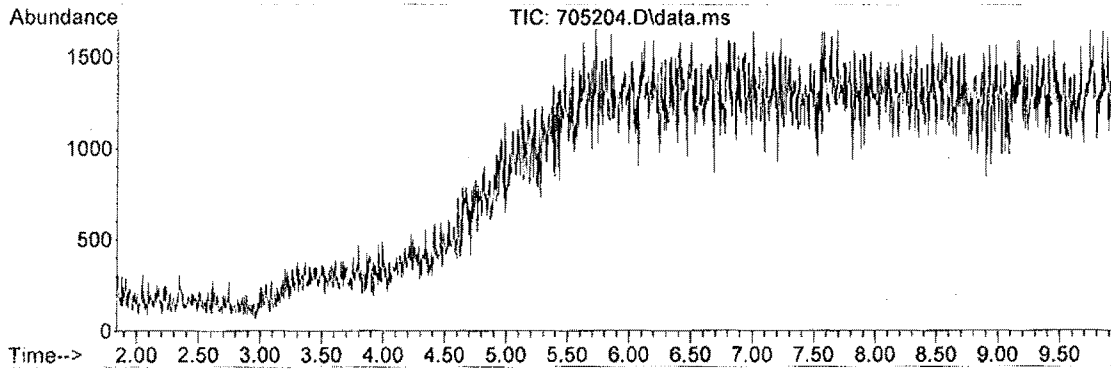
Calculations:

## Area Percent / Library Search Report

✓ P.D.  
2-29-12

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705204.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 8:30  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



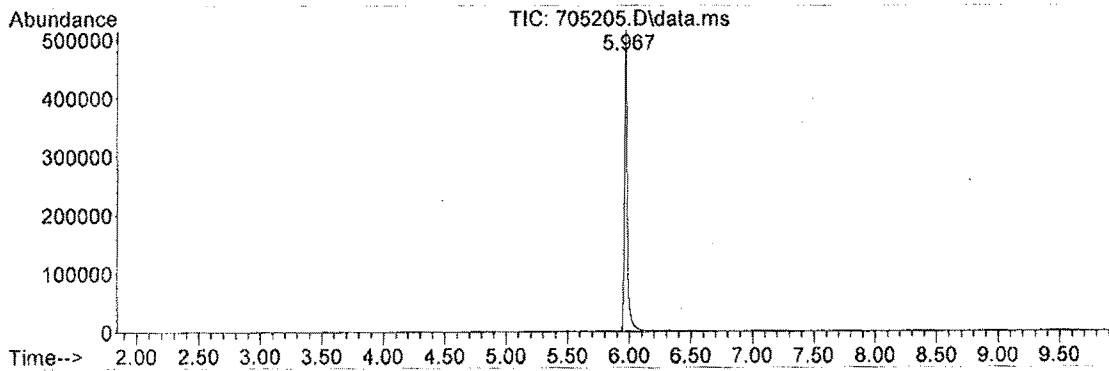
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705205.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 8:43  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 5  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.967	787726	100.00	100.00

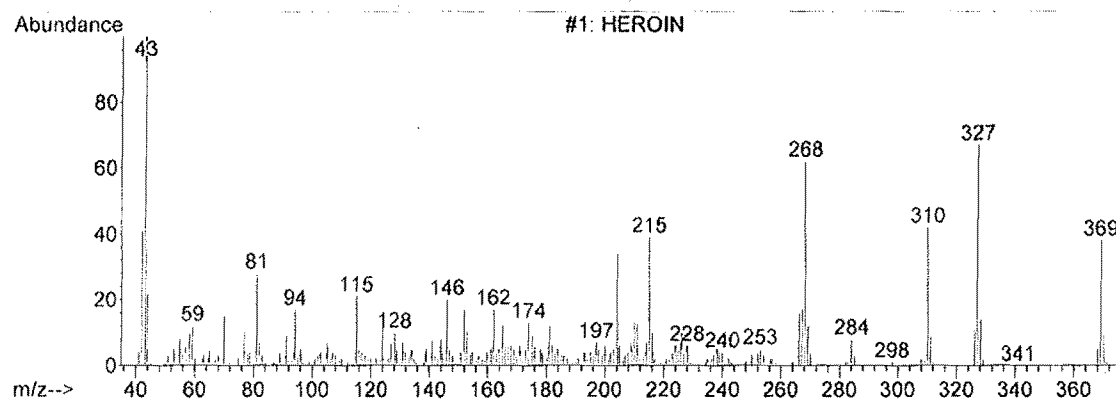
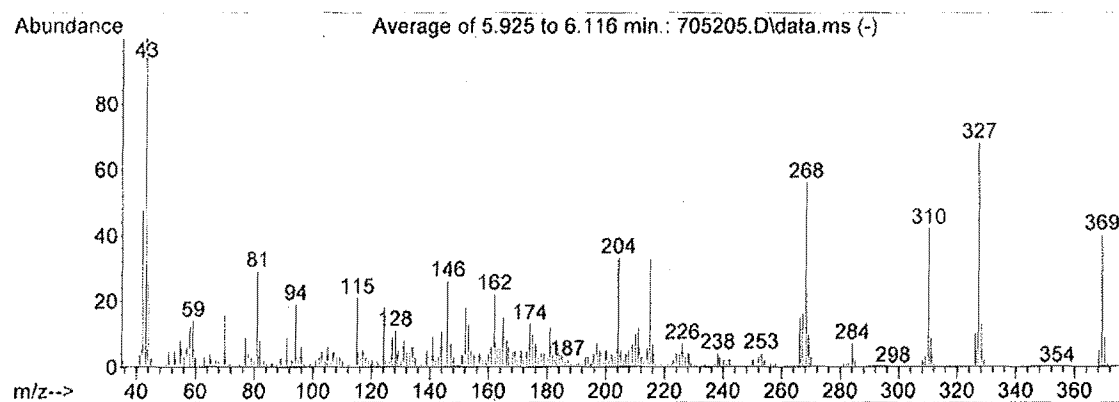
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705205.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 8:43  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 5  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99





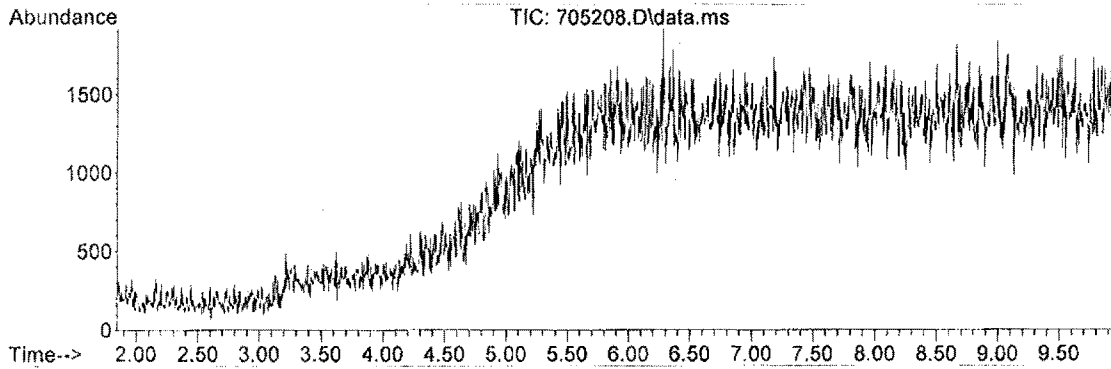
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705208.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 9:21  
Sample Name : BLANK  
Submitted by : DJR  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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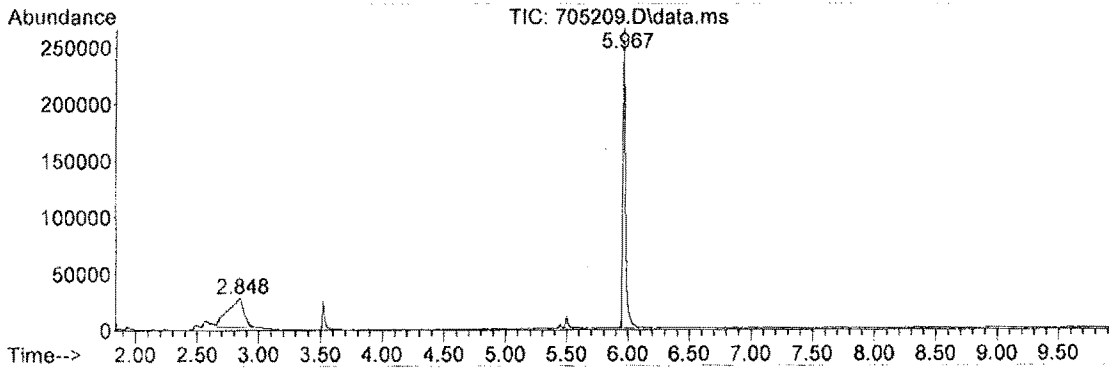
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\*\*\*NO INTEGRATED PEAKS\*\*\*

# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705209.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 9:33  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 9  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.848	233774	37.76	60.67
5.967	385317	62.24	100.00

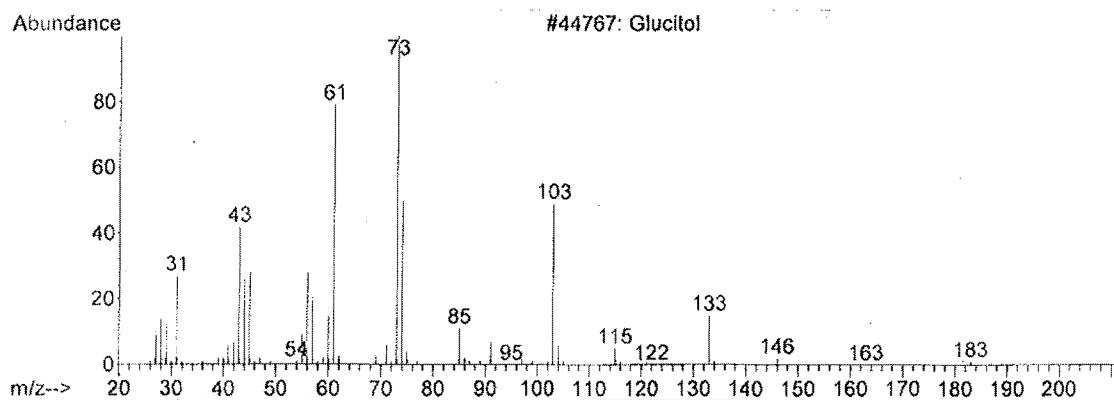
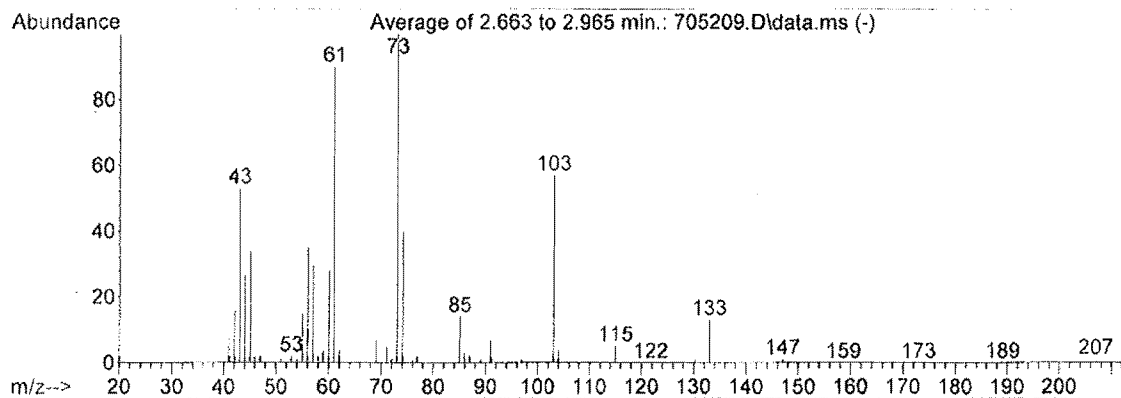
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705209.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 9:33  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 9  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.85	C:\Database\NIST05a.L		
		Glucitol	026566-34-7	83
		D-Mannitol	000069-65-8	83
		Sorbitol	000050-70-4	80



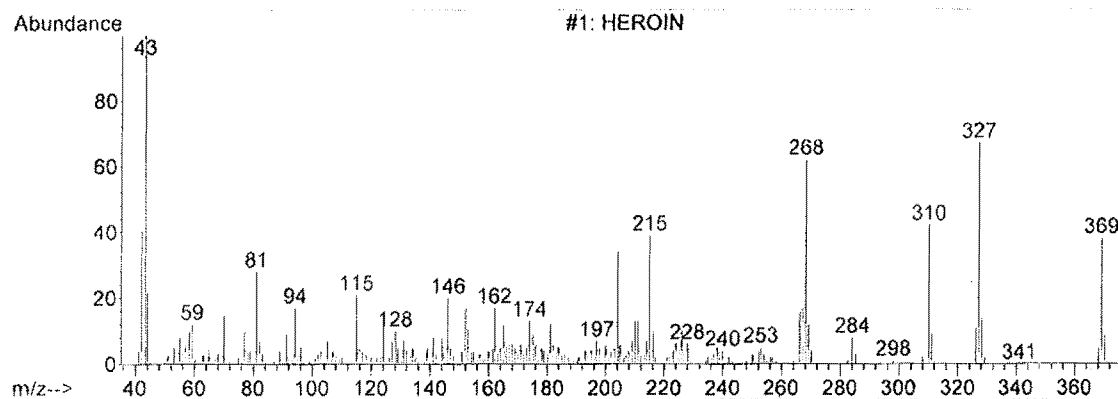
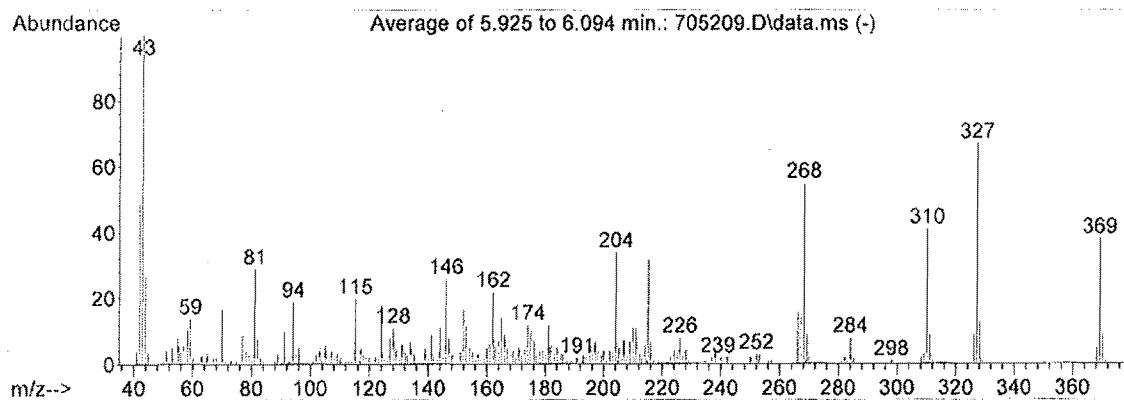
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705209.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 9:33  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 9  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

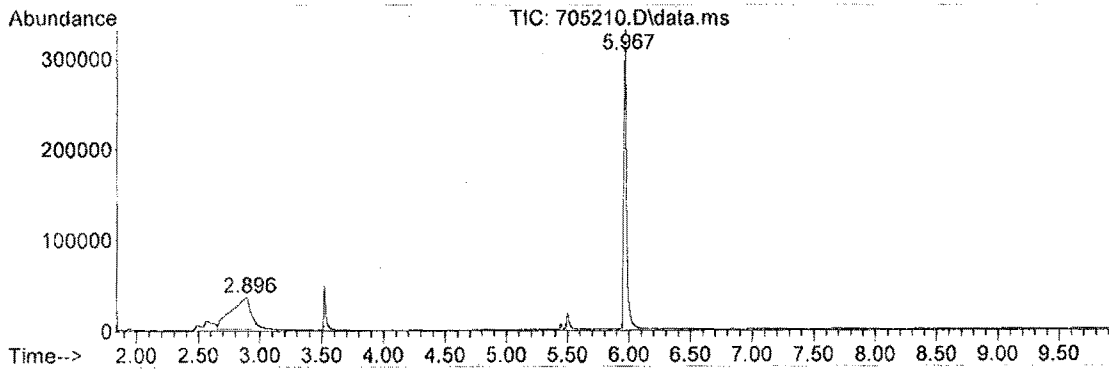
PK#	RT	Library/ID	CAS#	Qual
2	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705210.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 9:46  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 10  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



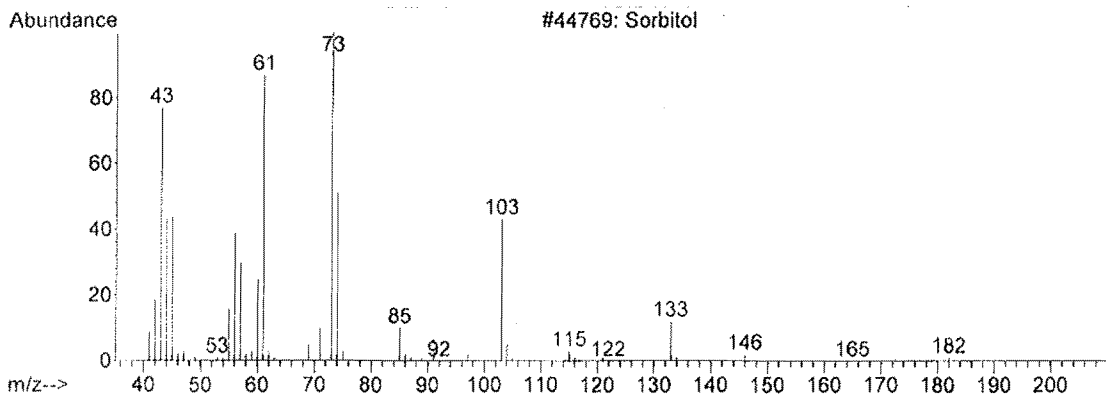
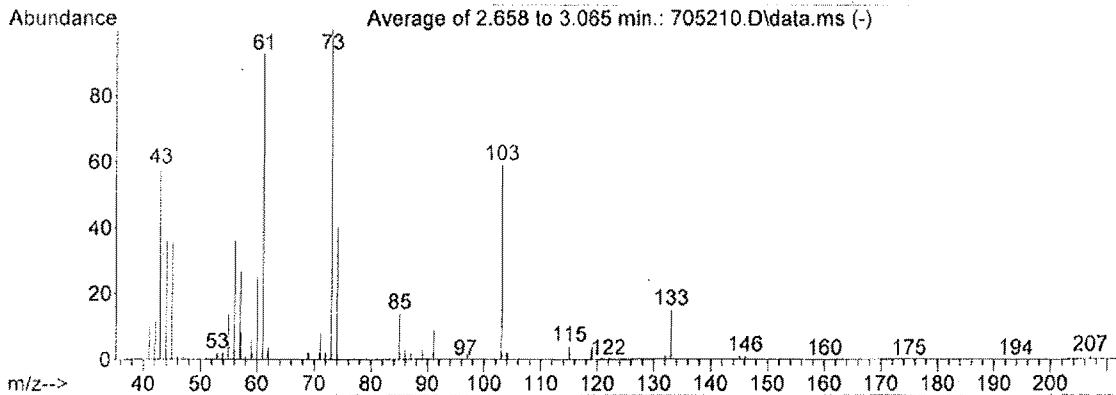
Ret. Time	Area	Area %	Ratio %
2.896	395553	44.61	80.54
5.967	491099	55.39	100.00

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705210.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 9:46  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 10  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.90	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	87
		Sorbitol	000050-70-4	83
		D-Mannitol	000069-65-8	74



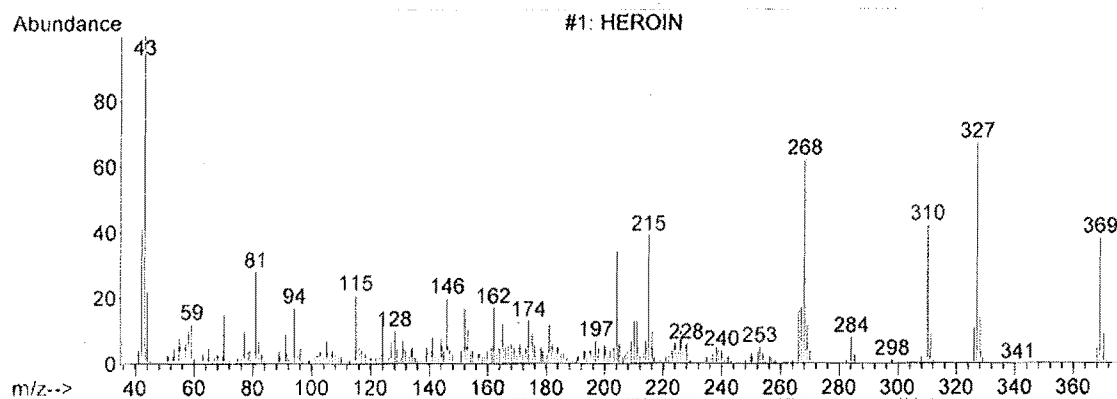
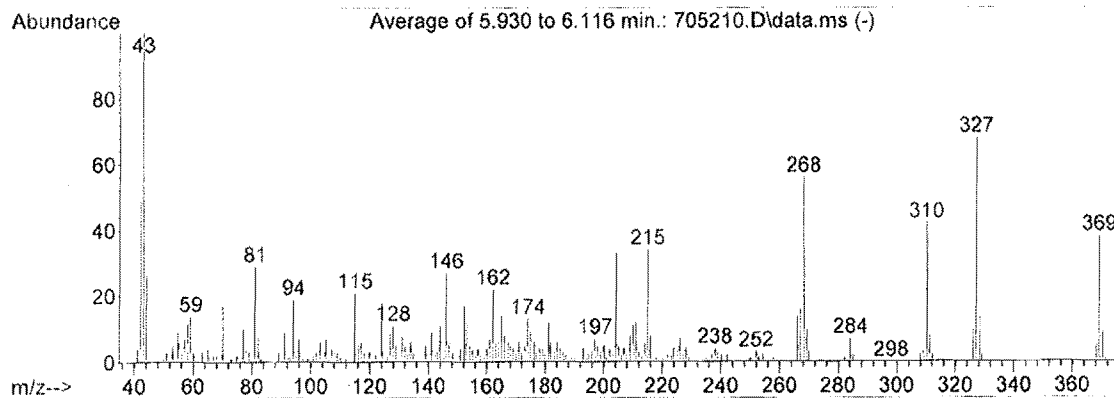
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705210.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 9:46  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 10  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

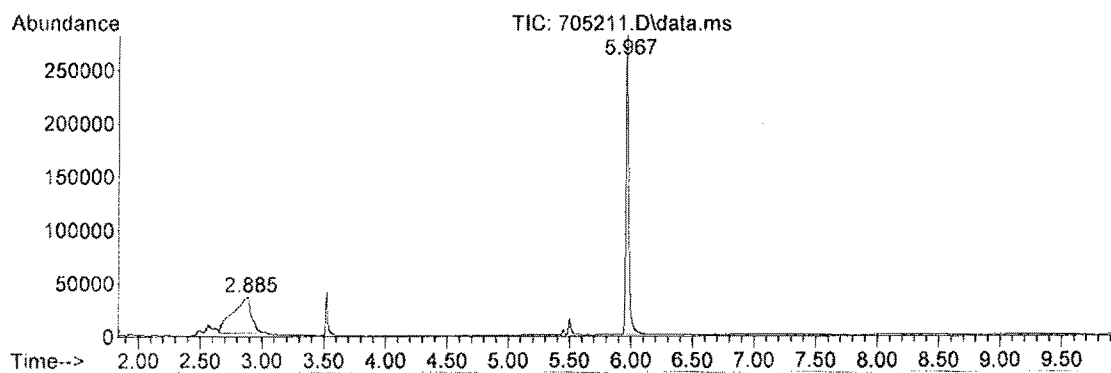
PK#	RT	Library/ID	CAS#	Qual
2	5.97	C:\Database\SLI.L HEROIN	000561-27-3	91



# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705211.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 9:59  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 11  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.885	352484	45.72	84.21
5.967	418553	54.28	100.00



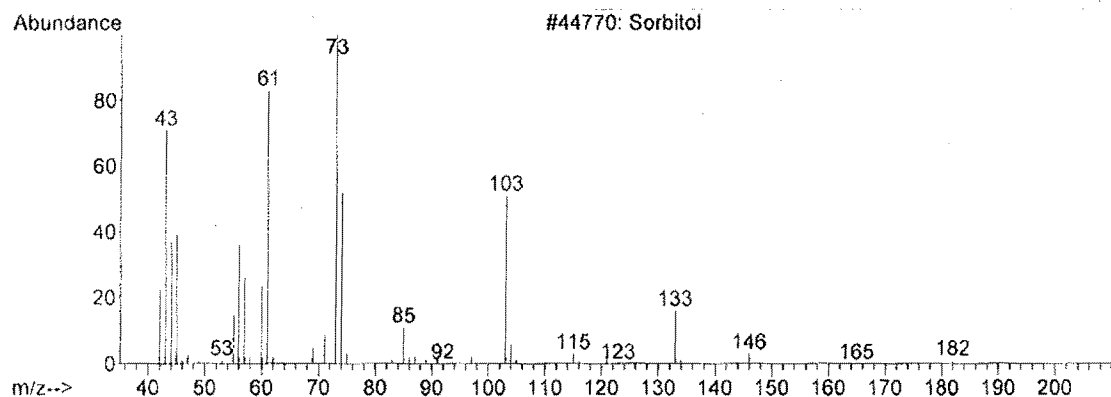
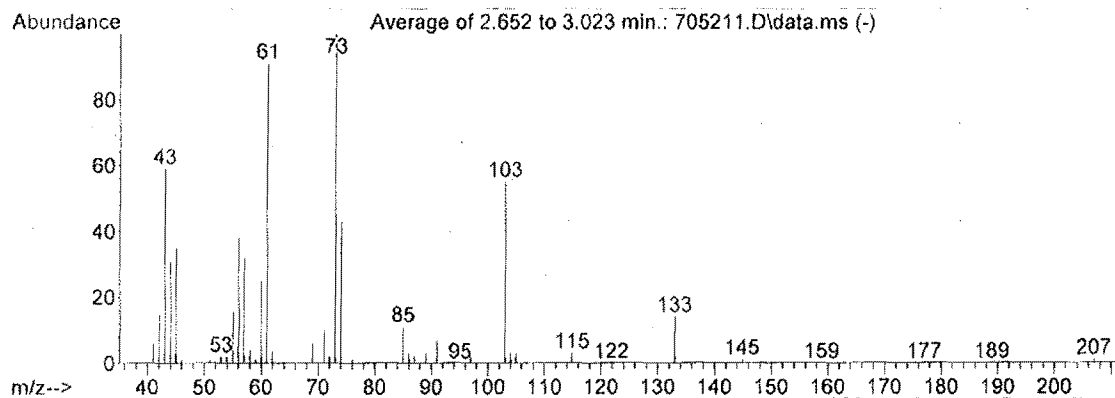
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705211.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 9:59  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.89	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	90
		Sorbitol	000050-70-4	87
		D-Mannitol	000069-65-8	83



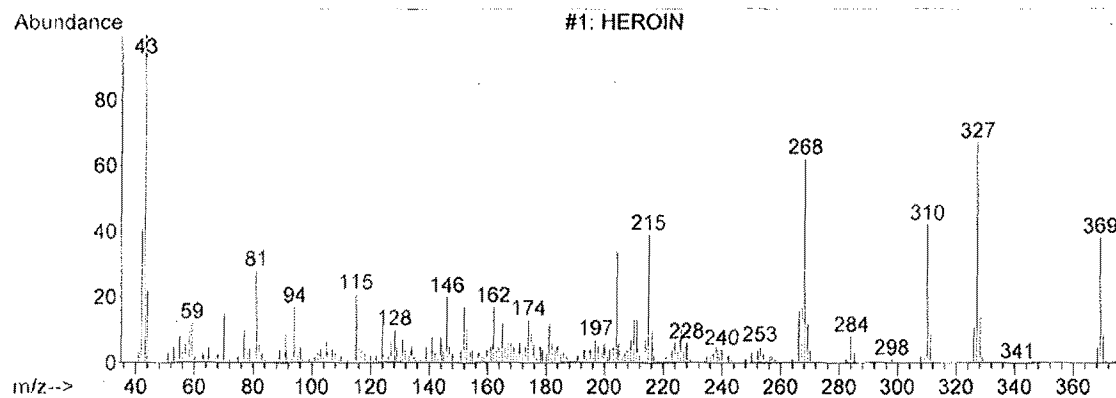
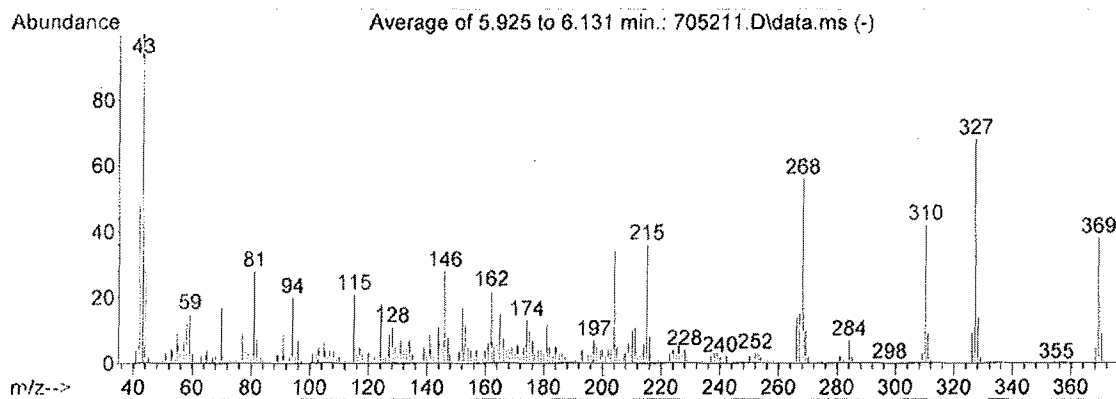
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705211.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 9:59  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 11  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

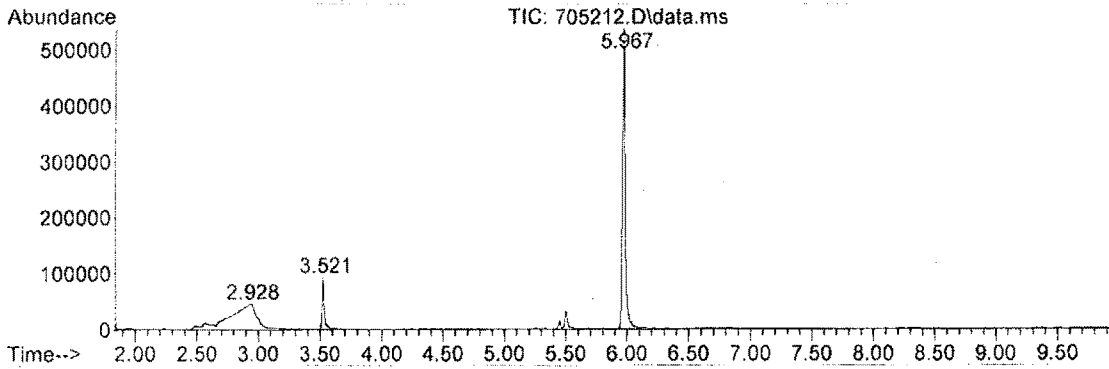
PK#	RT	Library/ID	CAS#	Qual
2	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705212.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:11  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.928	573314	38.93	72.69
3.521	110827	7.52	14.05
5.967	788662	53.55	100.00

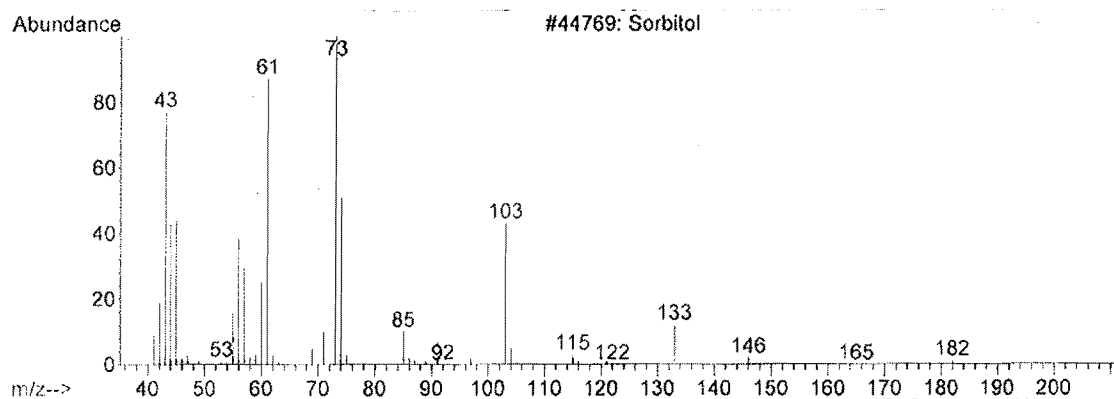
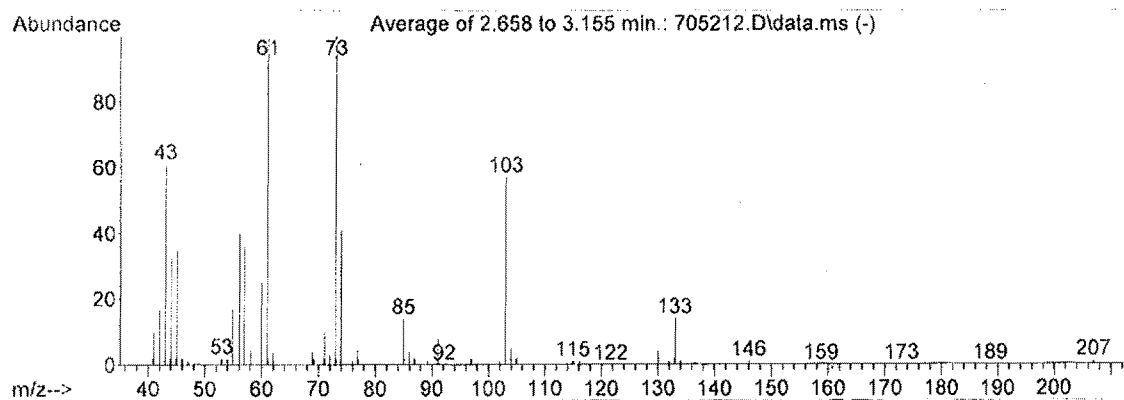
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705212.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 10:11  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 12  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.93	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	87
		Sorbitol	000050-70-4	86
		Sorbitol	000050-70-4	72

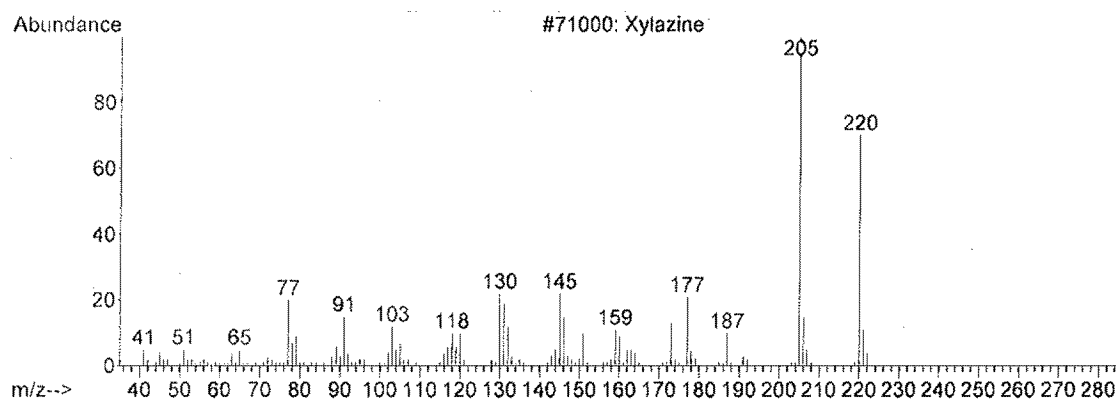
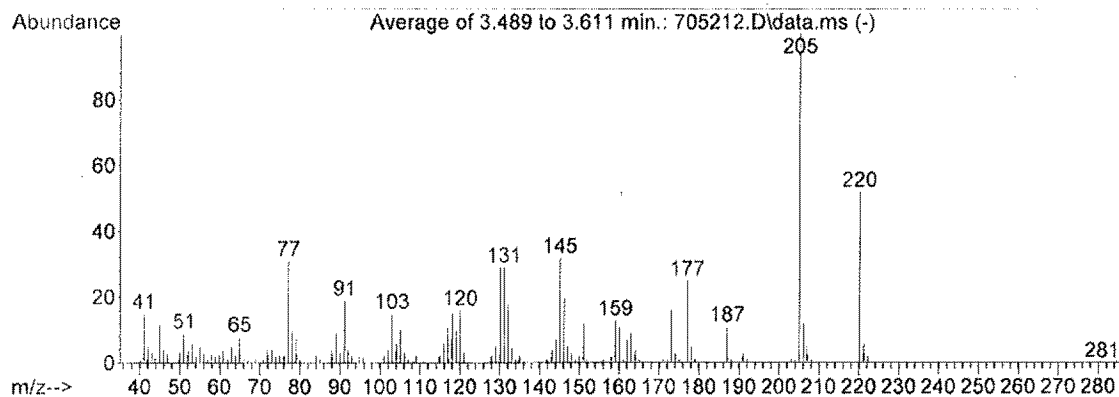


## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705212.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:11  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.52	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	98
		Xylazine	007361-61-7	91
		9-Cedranone	1000156-23-2	55

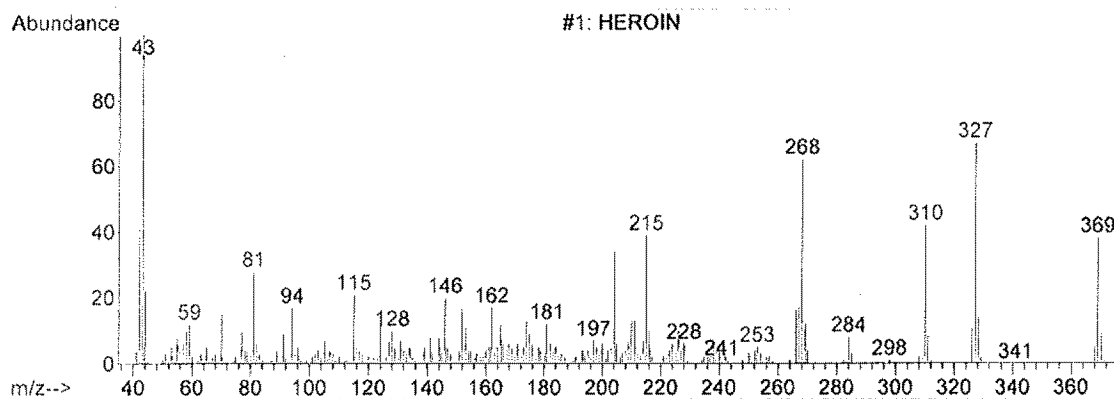
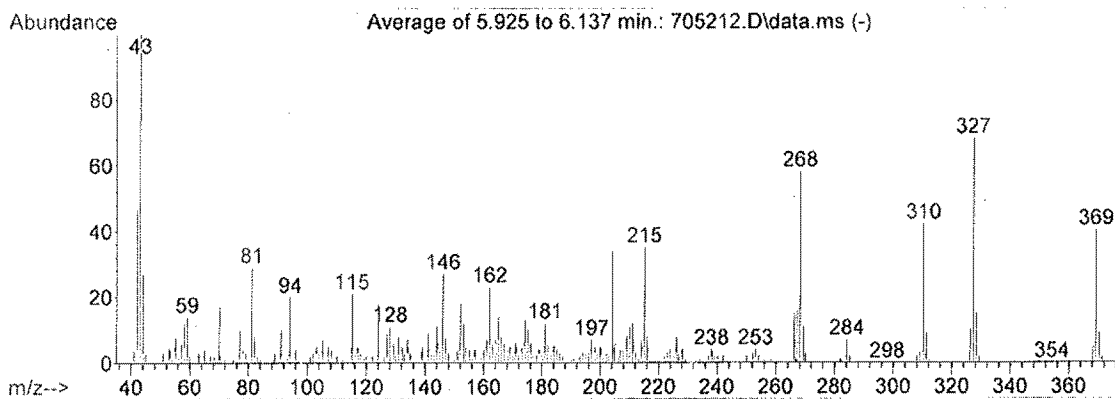


## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705212.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:11  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 12  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

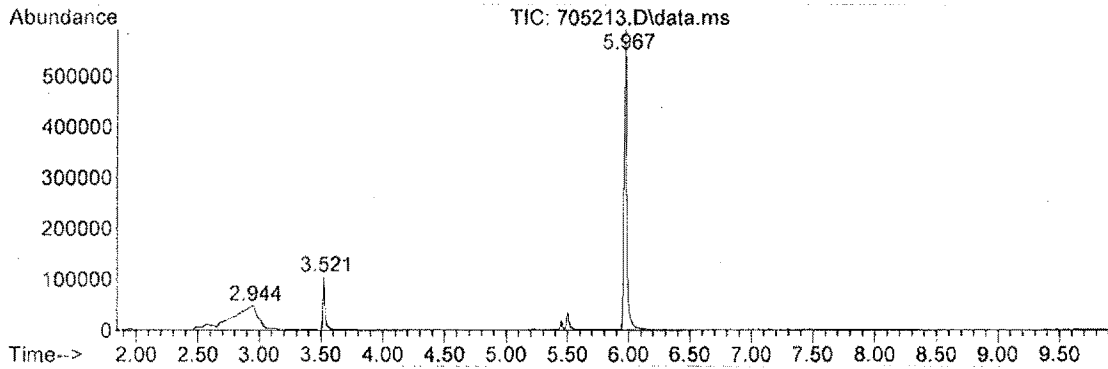
PK#	RT	Library/ID	CAS#	Qual
3	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705213.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:24  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



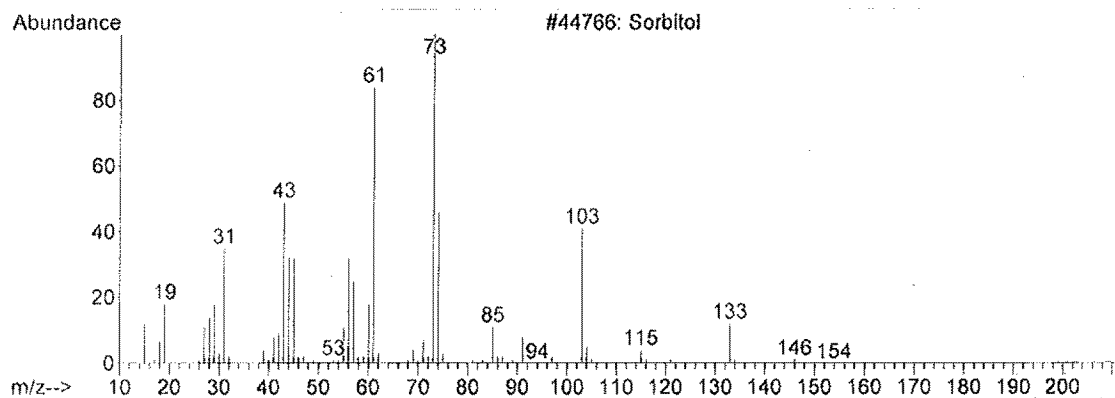
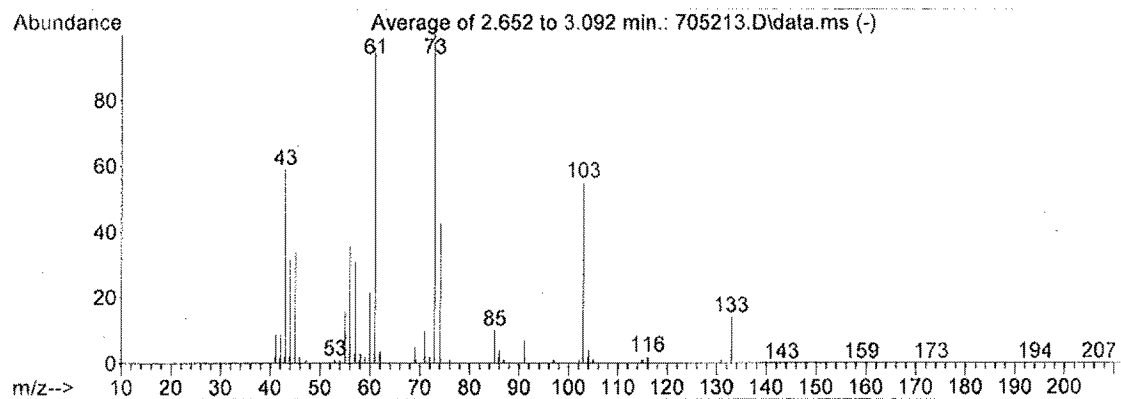
Ret. Time	Area	Area %	Ratio %
2.944	570284	36.59	66.22
3.521	126986	8.15	14.74
5.967	861260	55.26	100.00

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705213.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:24  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.94	C:\Database\NIST05a.L		
		Sorbitol	000050-70-4	91
		D-Mannitol	000069-65-8	90
		Sorbitol	000050-70-4	86





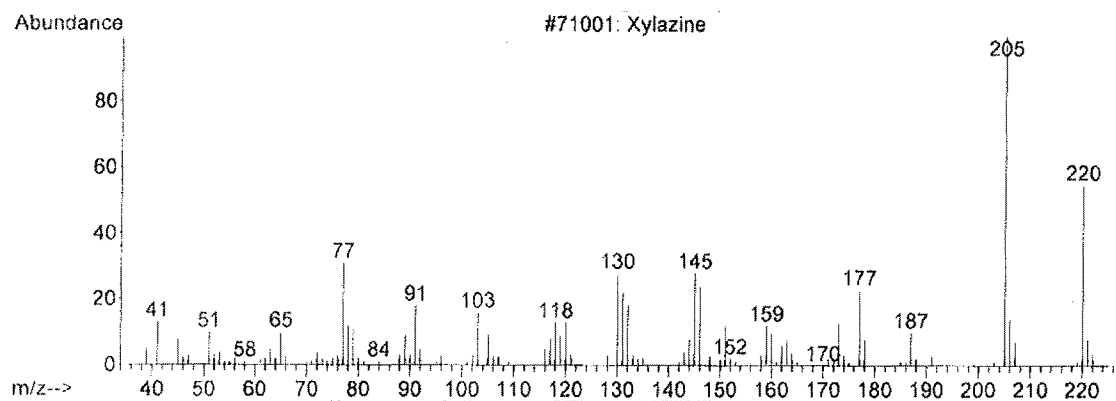
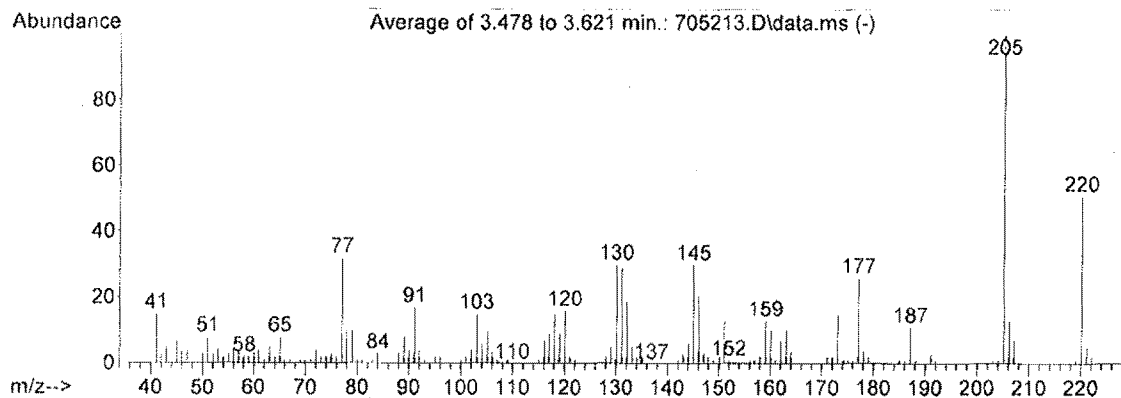
# Area Percent / Library Search Report

**Information from Data File:**

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705213.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 10:24  
 Sample Name : XXXXXXXXXX  
 Submitted by : DJR  
 Vial Number : 13  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
 C:\Database\NIST05a.L Minimum Quality: 80  
 C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	3.52	C:\Database\NIST05a.L		
		Xylazine	007361-61-7	97
		Xylazine	007361-61-7	96
		9-Cedranone	1000156-23-2	50



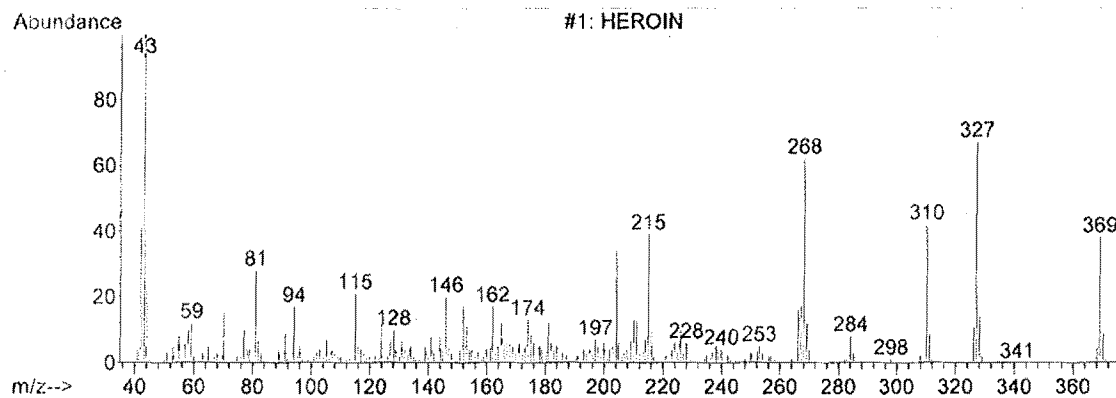
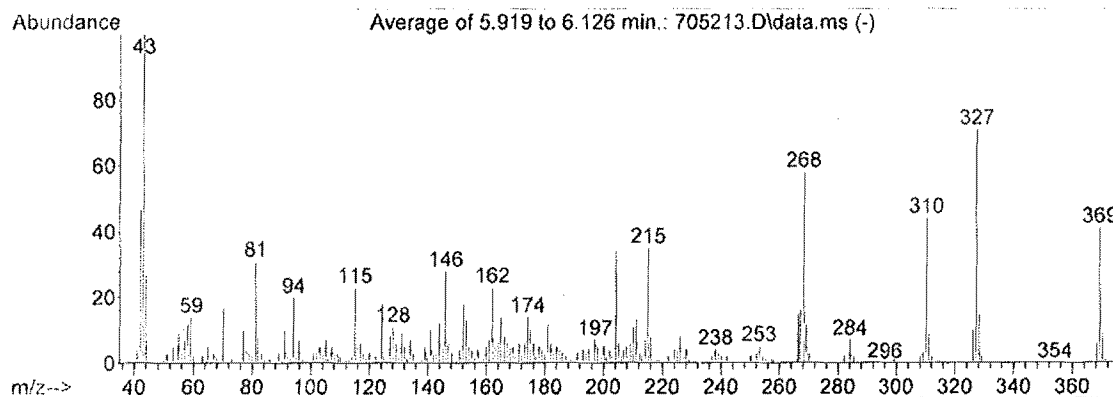
## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705213.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:24  
Sample Name : XXXXXXXXXX  
Submitted by : DJR  
Vial Number : 13  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99



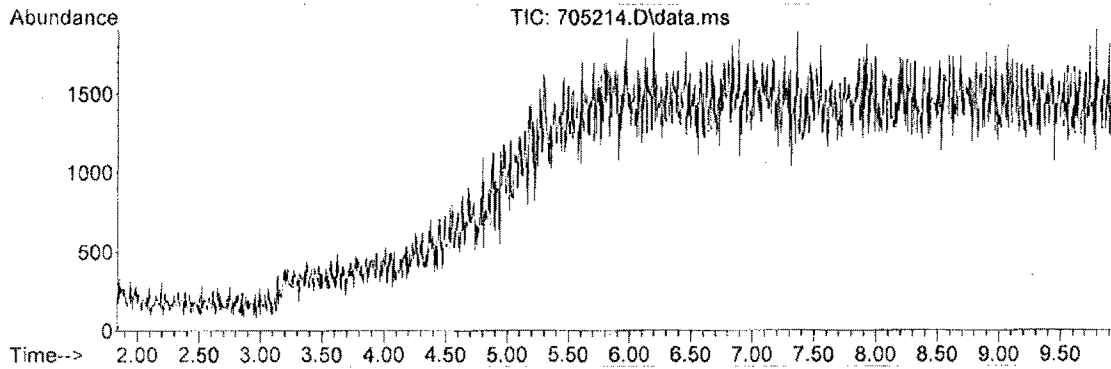
Area Percent / Library Search Report

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Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705214.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 10:37  
Sample Name : BLANK  
Submitted by : CBS  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

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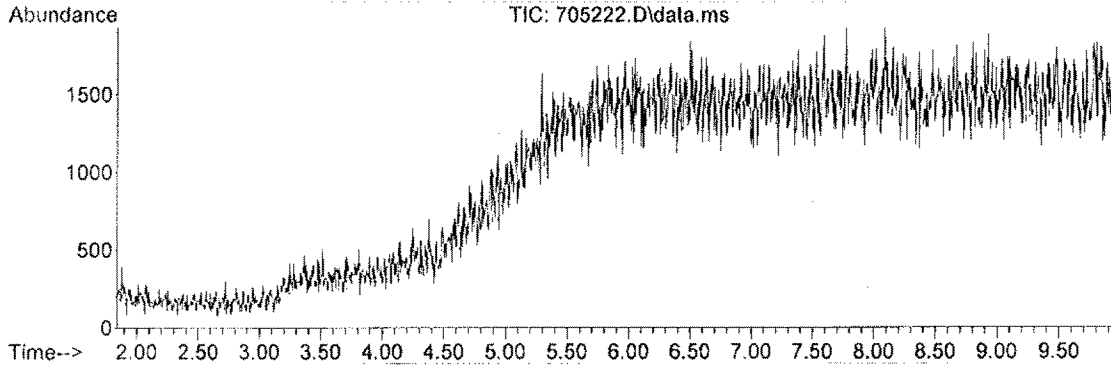
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705222.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 12:18  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

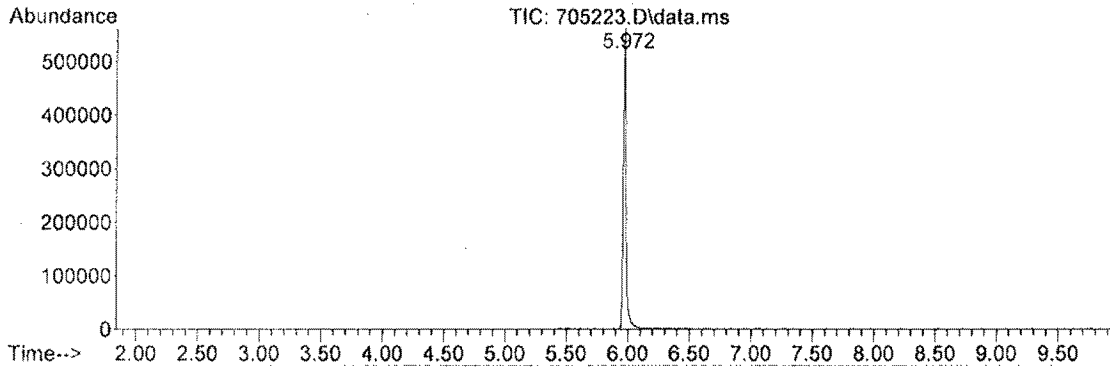


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705223.D  
 Operator : ASD  
 Date Acquired : 17 Mar 2010 12:31  
 Sample Name : HEROIN STD  
 Submitted by :  
 Vial Number : 23  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.972	839045	100.00	100.00

## Area Percent / Library Search Report

## Information from Data File:

File Name : F:\Q1-2010\SYSTEM7\03\_17\_10\705223.D  
Operator : ASD  
Date Acquired : 17 Mar 2010 12:31  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 23  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST05a.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.97	C:\Database\SLI.L HEROIN	000561-27-3	99

